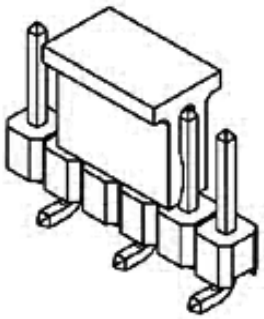
**Part Number :** 878980568
**Product Description :** C-Grid / SL Header, Surface Mount, Breakaway, Vertical, 5 Circuits, 2.54µm Tin (Sn) Plating, Tape on Reel Packaging, with Cap, Lead-Free
**Series Number :** 87898
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

878980568_sd.pdf

PK-89990-489-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

713080001-AS-000.pdf

PS-87920-019-001.pdf

879200000-TS-000.pdf

879200001-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 33; 44 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2022)4187-DC (10 June 2022) |

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| | |
|---|---|
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 87898 |
| Description | C-Grid / SL Header, Surface Mount, Breakaway, Vertical, 5 Circuits, 2.54µm Tin (Sn) Plating, Tape on Reel Packaging, with Cap, Lead-Free |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | C-Grid,SL |
| UPC | 883906495374 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Electrical

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| | |
|---|---|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum | 250V |

**Physical**

| | |
|---|---|
| Breakaway | Yes |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | No |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 0.357/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | No |
| Pitch - Mating Interface | 2.54mm |
| Pitch - Termination Interface | 2.54mm |
| Plating min - Termination | 2.500µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Robotic Placement | Pick and Place Cap |
| Shrouded | Unshrouded |
| Stackable | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Surface Mount |

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### Solder Process Data

| | |
|---|---|
| Max-Duration | 10 |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle | 3 |
| Max-Temp | 260 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| KK 254 PC Board Connector | 4455 |
| SL Single Row Female Insulation Displacement Connector Assemblies | 70400 |
| SL Single Row Female Receptacles | 70430 |
| C-Grid III Vertical Single Row PC Board Connectors | 90147 |
| C-Grid III Right-Angle Single Row PC Board Connectors | 90148 |



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